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| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER GJ-262J |
| INTERNATIONAL APPLICATION NO. PCT/GB2003/004185 | | U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/528869 |
| INTERNATIONAL FILING DATE 26 September 2003 | | PRIORITY DATE 27 September 2002 |
| TITLE OF INVENTION ADVANCED ULTRASONIC PROCESSOR | | |
| APPLICANT(S) FOR DO/EO/US Henry Kevin Ratcliff | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). | | |
| Items 11 to 20 below concern document(s) or information | | |
| <ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). 20. <input type="checkbox"/> Other items or information: | | |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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| U.S. APPLICATION NO. (if known, see 37 CFR 1.53) 10/528869 | | INTERNATIONAL APPLICATION NO. PCT/GB2003/004185 | | ATTORNEY'S DOCKET NUMBER GJ-262J | |
| 21. The following fees are submitted: | | | | Applicant use | Office use only |
| <input checked="" type="checkbox"/> a) Basic national fee \$300.00 | | | | \$ 300.00 | |
| <input checked="" type="checkbox"/> b) Examination fee \$200.00 | | | | \$ 200.00 | |
| <input checked="" type="checkbox"/> c) Search fee \$500.00 | | | | \$ 500.00 | |
| TOTAL OF ABOVE CALCULATIONS = \$1000.00 | | | | \$ 1,000.00 | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole) | RATE | | |
| - 100 = | /50 = | | x \$250.00 | \$ 0.00 | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | \$ 130.00 | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
| Total claims | 22 - 20 = | 2 | x \$50.00 | \$ 100.00 | |
| Independent claims | 1 - 3 = | 0 | x \$200.00 | \$ 0.00 | |
| Multiple Dependent Claims (if applicable) <input type="checkbox"/> | | | + \$360.00 | \$ | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ 1,230.00 | |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | | | \$ 615.00 | |
| SUBTOTAL = | | | | \$ 615.00 | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | \$ | |
| TOTAL NATIONAL FEE = | | | | \$ 615.00 | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per | | | | \$ | |
| TOTAL FEES ENCLOSED = | | | | \$ 615.00 | |
| Amount to be refunded: | | | | \$ | |
| Amount to be charged: | | | | \$ | |
| a. <input checked="" type="checkbox"/> A check in the amount of <u>\$615.00</u> to cover the above fees is enclosed. | | | | | |
| b. <input type="checkbox"/> Please charge my Deposit Account _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed. | | | | | |
| c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account <u>09-0002</u> . A duplicate copy of this sheet is enclosed. | | | | | |
| d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. | | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. | | | | | |
| SEND ALL CORRESPONDENCE TO: | | | | | |
| Iandiorio & Teska 260 Bear Hill Road Waltham, MA 02451-1018 | | | | | |
|  SIGNATURE | | | | | |
| Roy J. Coleman NAME | | | | | |
| 48,863 REGISTRATION NUMBER | | | | | |

INTELLECTUAL PROPERTY LAW ATTORNEYS

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March 24, 2005

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUBJECT: ADVANCED ULTRASONIC PROCESSOR GJ-262J

Dear Sir:

Enclosed is a patent application for entering U.S. National Stage of processing under 35 USC §371, including formal papers.

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|-------------------------------|-------------------------------|
| Applicant: | Henry Kevin Ratcliff |
| International Application No: | PCT/GB2003/004185 |
| International Filing Date: | 26 September 2003 |
| Title: | ADVANCED ULTRASONIC PROCESSOR |

Applicant is a small entity.

Applicant hereby claims priority under 35 USC 119, 120, 363, 365, and 37 CFR 1.55, based on PCT Application No. PCT/GB2003/04185 filed on September 26, 2003 which claims priority from United Kingdom Patent Application No. 0222421.0 filed 27 September 2002.

The following documents are enclosed:

1. Form PTO-1390 (Transmittal Letter);
2. The Published PCT application;
3. International Search Report;
4. The International Preliminary Examination Report;
5. A Preliminary Amendment; and
6. An Information Disclosure Citation.

Pursuant to 37 CFR 1.56, applicant encloses an Information Disclosure Statement citing the six (6) references listed on the International Search Report. Copies of the reference are not enclosed as the references are present in the national stage file.

A check in the amount of \$615.00 for the filing fee is enclosed. The filing fee is for entering the U.S. National Stage of a PCT application where the U.S. Patent and Trademark Office was neither ISA nor IPEA, and the International Search Report was prepared by the EPO.

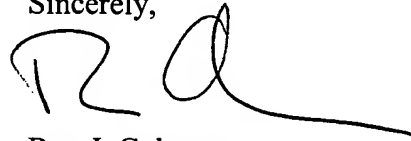
If any payment during prosecution is found to be incorrect, please charge any deficiency or credit any overpayment to my Deposit Account 09-0002. A copy of this letter is enclosed for use by the Finance Branch in the event that it is necessary to make any charge or credit to my deposit account.

If for any reason this APPLICATION is found to be incomplete, or if at any time it appears that a telephone conference with counsel would help advance prosecution, please telephone the undersigned or his associates, collect in Waltham, Massachusetts, (781) 890-5678.

In addition, pursuant to Rule 1.136(a)(3), the office is hereby authorized to treat any future reply requiring an extension of time as incorporating a request therefor. Also, any request or Petition for an Extension of time notwithstanding an inadvertent reference in the Petition to a shorter period of time is to be treated as requesting the appropriate length of time.

Kindly acknowledge receipt of the foregoing by returning the enclosed self-addressed postcard.

Sincerely,

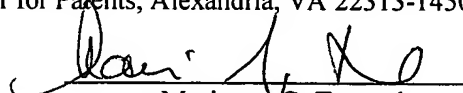


Roy J. Coleman
Reg. No. 48,863

RJC/mgt
Enclosures

CERTIFICATE OF EXPRESS MAIL

I hereby certify that the attached correspondence is being deposited with the United States Postal Service, Express Mail Certificate No. EV533828204US, on this 24th day of March, 2005 in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, Alexandria, VA 22313-1450.


Marianne G. Tarczal